

GENERAL

1. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE VERMONT AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2011 EDITION, LATEST REVISIONS AND CURRENT DESIGN STANDARDS FOR CONSTRUCTION.
2. TOPOGRAPHY AND PLANIMETRIC DATA SHOWN ON THESE PLANS ARE BASED ON FIELD SURVEY COMPLETED BY DUBOIS & KING, INC. IN MAY OF 2013.
3. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWINGS OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
4. SURFACE FEATURES SUCH AS SIGNS, FENCES, MAIL BOXES, STONE WALLS, PROPERTY CORNER MARKERS, ETC., ENCOUNTERED IN THE CONSTRUCTION OF THE PROJECT SHALL BE REMOVED, STORED AND RESET BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. THE COST OF REMOVING AND RESETTING ITEMS SHALL BE INCIDENTAL TO THE CONTRACT.
5. ANY SURFACE OR SUBSURFACE FEATURES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION AT LEAST EQUAL TO THAT IN WHICH THEY WERE FOUND IMMEDIATELY PRIOR TO THE BEGINNING OF CONSTRUCTION. ALL COSTS ASSOCIATED WITH THE RESTORATION SHALL BE AT THE CONTRACTORS SOLE EXPENSE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DUST CREATED AS A RESULT OF CONSTRUCTION DOES NOT CREATE A NUISANCE OR A SAFETY HAZARD. WHERE AND WHEN DEEMED NECESSARY BY THE ENGINEER, THE CONTRACTOR WILL BE REQUIRED TO WET SECTIONS OF THE CONSTRUCTION AREA WITH WATER. PAYMENT WILL BE MADE UNDER ITEM 609.10 "DUST CONTROL WITH WATER".
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING FIELD MEASUREMENTS OF ALL EXISTING CONDITIONS AFFECTING THE WORK. ANY DISCREPANCIES IN DIMENSIONS, CHARACTER OR EXTENT OF EXISTING FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ADVANCING THE WORK. WORKING DRAWINGS REQUIRED FOR VARIOUS ITEMS OF THE WORK SHALL INDICATE THE ACTUAL FIELD MEASUREMENTS PERFORMED BY THE CONTRACTOR PRIOR TO SUBMITTAL FOR THE ENGINEER'S APPROVAL AND SHALL BE SO NOTED.
8. ANY TREES OR BRANCHES WITHIN THE OVERHEAD AND SIDE CLEARANCE LIMITS INDICATED AND ANY TREE ROOTS ENCOUNTERED WITHIN THE EXCAVATION LIMITS SHALL BE SAW-CUT AND REMOVED. PAYMENT WILL BE CONSIDERED INCIDENTAL TO ITEM 201.10 "CLEARING AND GRUBBING INCLUDING INDIVIDUAL TREES AND STUMPS".
9. TREES LOCATED WITHIN AND ADJACENT TO THE CONSTRUCTION EASEMENT SHALL BE SAVED EXCEPT AS NOTED ON THE PLANS. THE CONTRACTOR SHALL UTILIZE SUITABLE METHODS NECESSARY TO PROTECT THE REMAINING TREES AND THEIR ROOTS FROM DAMAGE.
10. ALL WOODY DEBRIS (TREE LIMBS, BRANCHES, ETC.) SHALL BE CHIPPED AND MULCHED ON-SITE AND USED FOR TEMPORARY EROSION CONTROL. ALL CUT TREE LOGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ALL STUMPS SHALL BE GROUND DOWN ON SITE AND THE CHIPS USED AS EROSION CONTROL. PAYMENT FOR THE CUTTING AND DISPOSAL OF TREE LOGS, CHIPPING AND SPREADING OF WOODY DEBRIS AND GRINDING OF STUMPS SHALL BE PAID FOR UNDER ITEM 201.10 "CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS".
11. RESTORATION OF DISTURBED AREAS: RESTORE DISTURBED AREA EXCEPT STONE FILL AREAS, WITH TWO INCHES TOPSOIL, SEED AND MULCH, UNLESS THE ENGINEER DIRECTS THE USE OF SUITABLE EXCAVATED MATERIAL.
12. THE FINISH GRADE SLOPES AND DITCHES SHALL BE CONSTRUCTED AS SHOWN ON THE PROJECT LAYOUTS, DETAILS AND CROSS SECTIONS. FINISH SLOPES, DITCHES AND DISTURBED AREAS SHALL RECEIVE A MINIMUM OF TWO INCHES OF TOPSOIL AND SHALL BE FERTILIZED, SEEDING, AND MULCHED. TURF ESTABLISHMENT SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 651. ALL FILL SHALL BE PLACED IN 6" LIFTS AND THOROUGHLY COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D698 STANDARD PROCTOR, UNLESS OTHERWISE SPECIFIED.
13. YIELDING MARKER POSTS SHALL BE PLACED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
14. ALL SLOPES, PLACEMENT OF EMBANKMENT MATERIAL AND STEPPING OF LAYERS INTO OLD GROUND SHALL BE IN ACCORDANCE WITH STANDARD DRAWING B-5.
14. TACK COAT / EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.08 GAL/FT² ON ALL COLD PLANED SURFACES AND 0.025-0.04 GAL/FT² BETWEEN SUCCESSIVE COURSES OF PAVEMENT OR AS DIRECTED BY THE ENGINEER.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING AND UNDERSTANDING ALL APPLICABLE ENVIRONMENTAL PERMITS AND ENSURE THAT ALL CONSTRUCTION REQUIREMENTS ARE MET.
16. ALL DRIVES SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE ENGINEER. A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 900.675 "SPECIAL PROVISION (HAND PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)". ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS DIRECTED BY THE ENGINEER AND WILL BE INCIDENTAL TO ITEM 900.675. IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE INCIDENTAL TO ITEM 900.675.
17. AT COMPLETION OF GRADING, ALL SLOPES, DITCHES, AND ALL DISTURBED AREAS SHALL BE SMOOTH AND FREE OF POCKETS WITH SUFFICIENT SLOPE TO ENSURE DRAINAGE.
18. NO WORK BEYOND THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS WILL BE ALLOWED. WORKING OUTSIDE OF THESE LIMITS MAY RESULT IN ADDITIONAL PERMITTING REQUIREMENTS, WHICH WILL BE THE CONTRACTOR'S RESPONSIBILITY.
19. THE CONTRACTOR SHALL SUBMIT SEDIMENT AND EROSION CONTROL METHODS TO THE ENGINEER FOR APPROVAL A MINIMUM OF 14 DAYS PRIOR TO START OF WORK.
20. TYPICAL CROSS SECTIONS ARE MEANT FOR GUIDANCE ONLY. FIELD CONDITIONS MAY VARY AND SHALL BE VERIFIED BY THE CONTRACTOR.
21. A QUANTITY OF ITEM 203.16 "SOLID ROCK EXCAVATION" HAS BEEN INCLUDED IN THE EVENT LEDGE IS ENCOUNTERED DURING CONSTRUCTION OF STONE TOE WALL.
22. ADDITIONAL QUANTITIES OF ITEM 203.15 "COMMON EXCAVATION", ITEM 301.35 "SUBBASE OF DENSE GRADED CRUSHED STONE", ITEM 490.30 "SUPERPAVE BITUMINOUS CONCRETE PAVEMENT", ITEM 649.11 "GEOTEXTILE UNDER ROADBED SEPARATOR", AND ITEM 900.683 "SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)" HAVE BEEN INCLUDED IN THE EVENT OF OVER EXCAVATION OF EMBANKMENT BEING NECESSARY FOR THE CONSTRUCTION OF THE STONE TOE WALL. ANY OVER EXCAVATION OUTSIDE THE LIMITS SHOWN ON THE PLAN WILL BE PAID UNDER ITEM 203.15 "COMMON EXCAVATION" AND BE APPROVED BY THE ENGINEER PRIOR TO EXCAVATION.

RIPRAP-STONE FILL

1. TO THE EXTENT PRACTICAL, EXCAVATION AND PLACEMENT OF RIPRAP AND STONE FILL SHALL BE DONE OUTSIDE OF THE FLOWING WATER TO MINIMIZE THE DISCHARGE OF SEDIMENT-LADEN WATER. THE CONTRACTOR IS RESPONSIBLE FOR DIVERTING, PUMPING, BYPASS PIPING OR OTHERWISE CONTROLLING WATER TO MEET THIS REQUIREMENT. CONTRACTOR SHALL SUBMIT A CONTROL OF WATER PLAN TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. PAYMENT FOR CONTROL OF WATER SHALL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 613.13 "STONE FILL, TYPE IV".
2. RIPRAP AND STONE FILL SHALL BE PLACED IN A MANNER THAT WILL NOT SEPARATE SMALL AND LARGE STONES. PLACEMENT BY DUMP TRUCK OR DOZER WILL NOT BE ALLOWED. MIXING OF THE RIPRAP AND STONE FILL STOCKPILE DURING INSTALLATION MAY BE NECESSARY TO PREVENT SEPARATION OF THE SMALL AND LARGE STONES.
3. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE RIPRAP AND STONE FILL AS A WELL-COMPACTED MASS, WITH STONES INTERLOCKED WITH EACH OTHER AND WITH NO LARGE VOIDS IN ORDER TO REDUCE THE POTENTIAL FOR UPLIFT AND MOVEMENT AND TO PREVENT GRUBBING MATERIAL FROM WASHING INTO THE STONE.
4. TO ACHIEVE A WELL-COMPACTED MASS, THE CONTRACTOR MAY BE REQUIRED TO FOLLOW THE INITIAL PLACEMENT OF RIPRAP OR STONE FILL WITH ADDITIONAL PASSES OF SMALLER MATERIAL. SELECTIVE HAND PLACEMENT OF STONE FOLLOWED BY COMPACTION MAY ALSO BE REQUIRED. PAYMENT WILL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE STONE FILL OR RIPRAP CONTRACT ITEM.
5. GRANULAR BORROW FOR BEDDING SHALL MEET THE REQUIREMENTS OF SECTION 900 OF THE SPECIAL PROVISIONS.
6. THE CONTRACTOR SHALL PROVIDE THE ENGINEER AN OPPORTUNITY TO INSPECT, WITH 48-HOUR PRIOR NOTICE, AN IN-PLACE RIPRAP, STONE FILL TEST SECTION. THE TEST SECTION SHALL BE BETWEEN 10 AND 20 FEET LONG AND BE INSTALLED TO THE DEPTH AND ELEVATIONS INDICATED IN THE CONTRACT DOCUMENTS. INSTALLATION OF ADDITIONAL RIPRAP OR STONE FILL IS NOT TO CONTINUE UNTIL THE ENGINEER HAS COMPLETED OR WAIVED THE INSPECTION.
7. CONTRACTOR SHALL PLACE A 12 INCH (MINIMUM) LAYER OF GRUBBING MATERIAL OVER THE TOP OF THE STONE FILL SLOPE DOWN TO THE ORDINARY HIGH WATER (OHW) ELEVATION. GRUBBING MATERIAL SHALL BE WORKED IN TO THE STONE FILL MASS AND INTO ANY SMALL REMAINING SURFACE VOIDS AND CREVICES. ON-SITE EXCAVATED GRUBBING MATERIAL MAY BE USED IF, IN THE OPINION OF THE ENGINEER, AN ADEQUATE PERCENTAGE OF FINES AND ORGANICS IS PRESENT IN THE MATERIAL TO SUPPORT A GRASS COVER.
8. GRUBBING MATERIAL SHALL BE SEEDDED WITH A STANDARD CONSERVATION MIX AND PROTECTED WITH MULCH.

UTILITIES

1. UTILITIES INFORMATION SHOWN HEREON WAS OBTAINED FROM THE BEST AVAILABLE SOURCES AND MAY OR MAY NOT BE EITHER ACCURATE OR COMPLETE. CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE AS A RESULT OF THE CONTRACTOR'S OPERATIONS TO ANY UTILITY, PUBLIC OR PRIVATE, SHOWN OR NOT SHOWN HEREON. CONTRACTOR SHALL CONNECT OR RECONNECT ALL UTILITIES TO THE NEAREST SOURCE THROUGH COORDINATION WITH THE UTILITY OWNER.
2. ALL UTILITY POLES ARE TO REMAIN UNDISTURBED UNLESS OTHERWISE NOTED IN THESE PLANS.
3. SUBSURFACE FEATURES SUCH AS ELECTRIC AND TELEPHONE LINES, WATER LINES, SEWER LINES, STORM DRAIN AND CULVERTS, ETC., ENCOUNTERED IN THE CONSTRUCTION OF THE PROJECT SHALL BE PROTECTED, SUPPORTED, OR REMOVED AND REINSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED ON THE PLANS. THE COST OF THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT UNLESS PAYMENT IS SPECIFICALLY NOTED AS A SEPARATE PAY ITEM. THE CONTRACTOR SHALL NOTIFY THE UTILITY COMPANIES AND/OR HIGHWAY DEPARTMENTS WHEN THE WORK INVOLVES THEIR RESPECTIVE FACILITIES. SEE THE UTILITIES SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
4. THE CONTRACTOR SHALL NOT DISRUPT ANY EXISTING UTILITY SERVICE (PRIVATE OR PUBLIC) WITHOUT WRITTEN AUTHORIZATION FROM VTRANS.
5. THE CONTRACTOR SHALL CONTACT "DIG SAFE" [(1-888-DIG-SAFE (1-888-344-7233))] AND ALL AFFECTED UTILITY COMPANIES PRIOR TO PERFORMING ANY EXCAVATION, IN ACCORDANCE WITH DIG SAFE'S RULES OF NOTIFICATION.
6. SEE UTILITIES SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

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PROJECT LEADER: J. TUCKER DRAWN BY: B. BRESLEND
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